

# Historic Benton County Courthouse

Exterior Renovations and  
First Floor Remodel

Restore the Exterior Facade to Protect Historical Materials

Repair Existing Systems and Provide Infrastructure for Future Work on Upper Floors.

Remodel First Floor to Provide Updated and Functional Facilities.

**Protect the Existing Facility and Increase its Viability for Ongoing Occupancy**

# GOALS

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- Air Quality and Asbestos Testing at First Floor Office Area
- Asbestos Abatement at First Floor Office Area
- Demolition of Existing Walls and Ceilings at First Floor
- Exploration of Existing Conditions

# Phase I - Demolition

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## Existing Spiral Staircase, Unsupported Lintel, Abandoned Wiring & Pipes

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# Discovery

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## Structural Failure at Second Floor Porch – Water Infiltration at First Floor

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# Discovery

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## Structural Failure at Second Floor Porch – Water Infiltration at First Floor

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# Discovery

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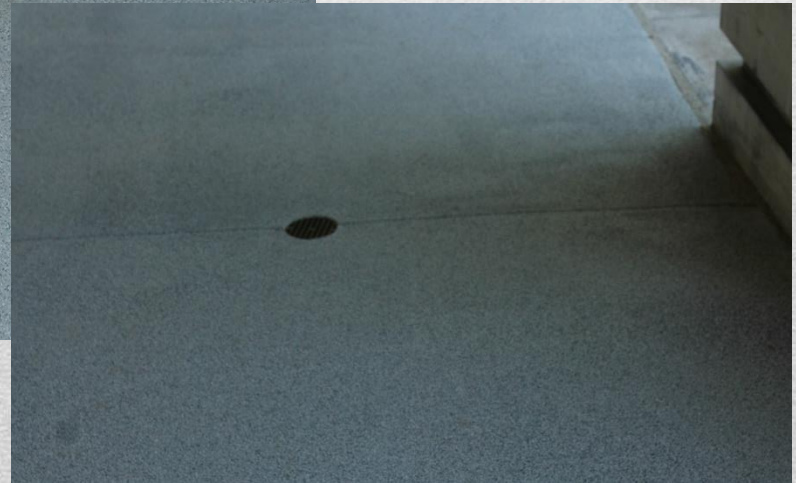


## Replacement of Structural Slab and Installation of Coating System

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# Discovery





- Replace Below-Grade Waterproofing
- Replace the Existing Concrete Mow Strip
- Install Bullet Resistant Windows at First Floor
- Remove and Reset Protruding Limestone at Stair Wall and Verify Structural Conditions.
- Clean, Point and Repair or Replace Existing Brick and Limestone Veneer
- Reset and Level the Existing Limestone Parapet Cap Pieces
- Install Sealant in all Skyward Facing Limestone joints
- Clean and Paint Existing Steel Window Lintels.
- Stop water infiltration into Courthouse and Tower Entry

## **Phase II**

# **Exterior Restoration**





# Below Grade Waterproofing

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# Below Grade Waterproofing





# Windows & Mow Strip





**Brick Wall behind Limestone showed no signs of Structural Failure**



# Stair Wall Repairs

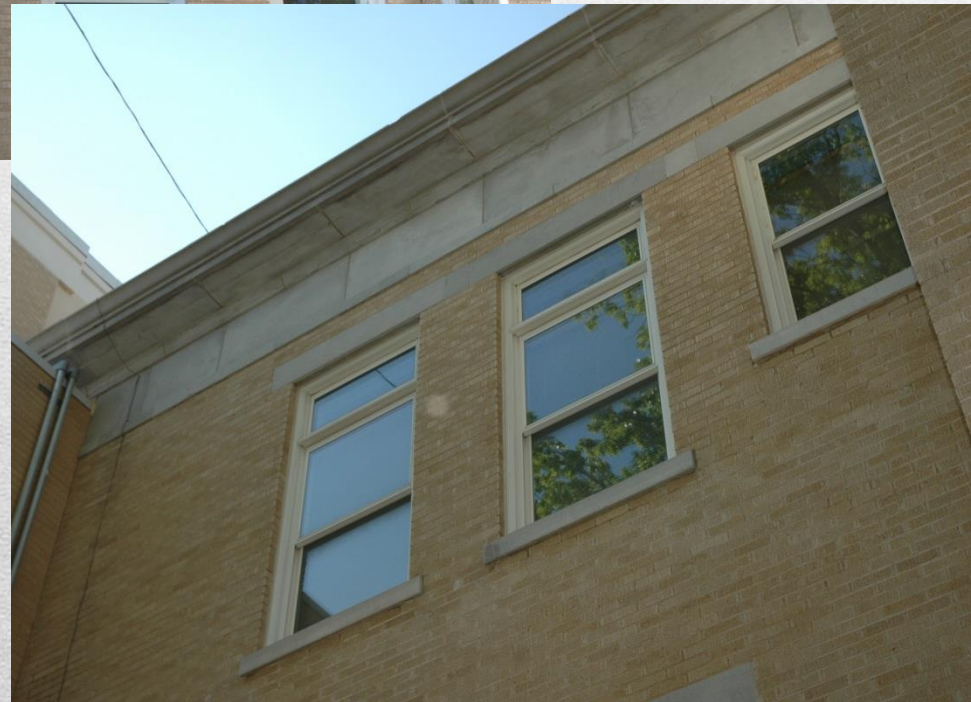


Limestone has been cleaned and Reset



# Stair Wall Repairs





# Restoration





# Restoration





# Restoration

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# Restoration





# Restoration



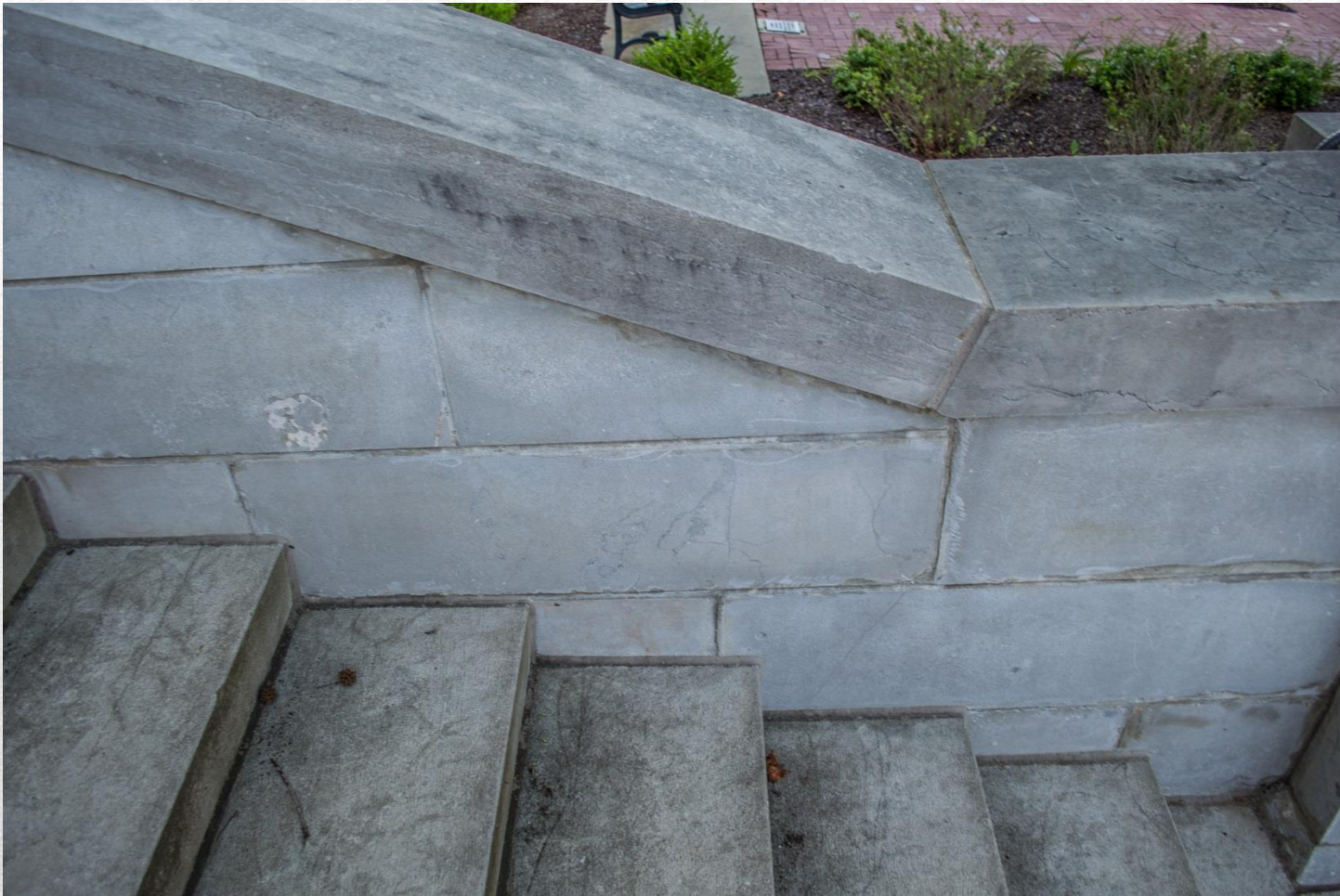


# Restoration

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Hight **Jackson**  
ASSOCIATES





# Restoration

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# Restoration

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# Restoration

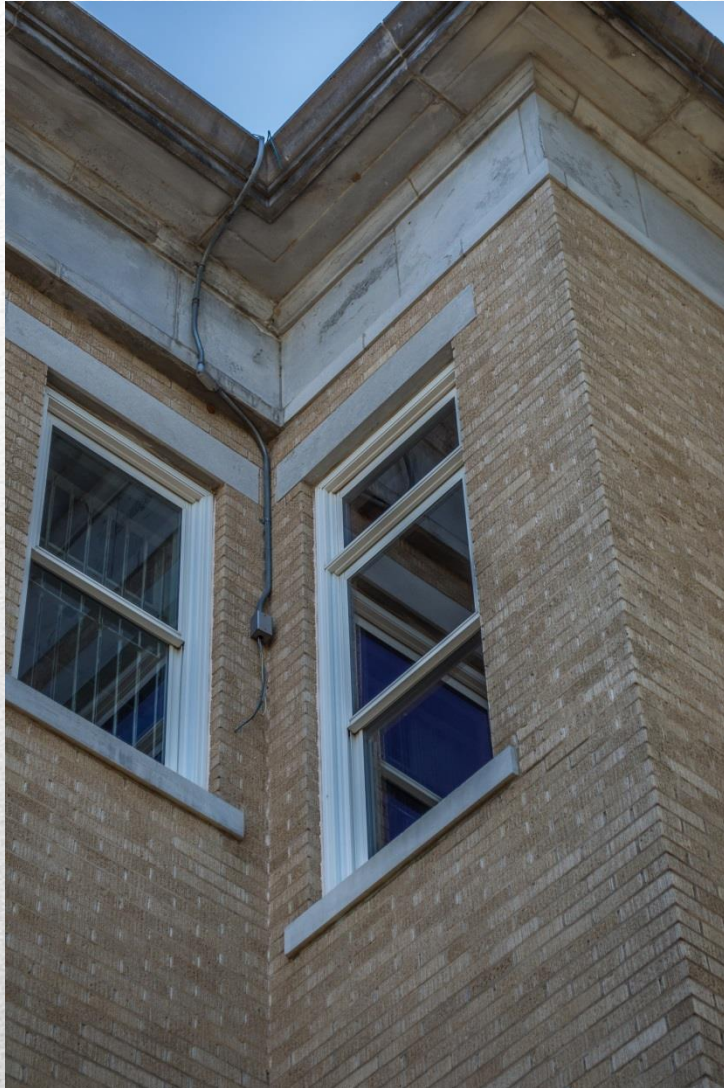
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# Restoration





# Restoration



Hight **Jackson**  
ASSOCIATES



- Stop water infiltration into Courthouse and Tower Entry
  - Benton County Replaced the Existing Roof
  - Brick on the North Side of the Tower was removed and Flashing was installed to eliminate leaks over the temporary holding area in the Tower.





- Replace the Existing Cooling Tower
- Repair the Existing Boiler Equipment and Upgrade Electrical System
- Provide Main Data Room at First Floor
- Provide Chase for Future Service Runs to Upper Levels
- Remodel of First Floor Office Area – Currently Occupied by the Prosecuting Attorney

## **Phase III - Remodel & Service Improvements**

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- Replace the Existing Cooling Tower
  - Multi-Craft Contractors inspected the Cooling Tower and discovered that Significant Damage to some of the internal parts.
  - Under Phase III Work. A new Cooling Tower will be installed.



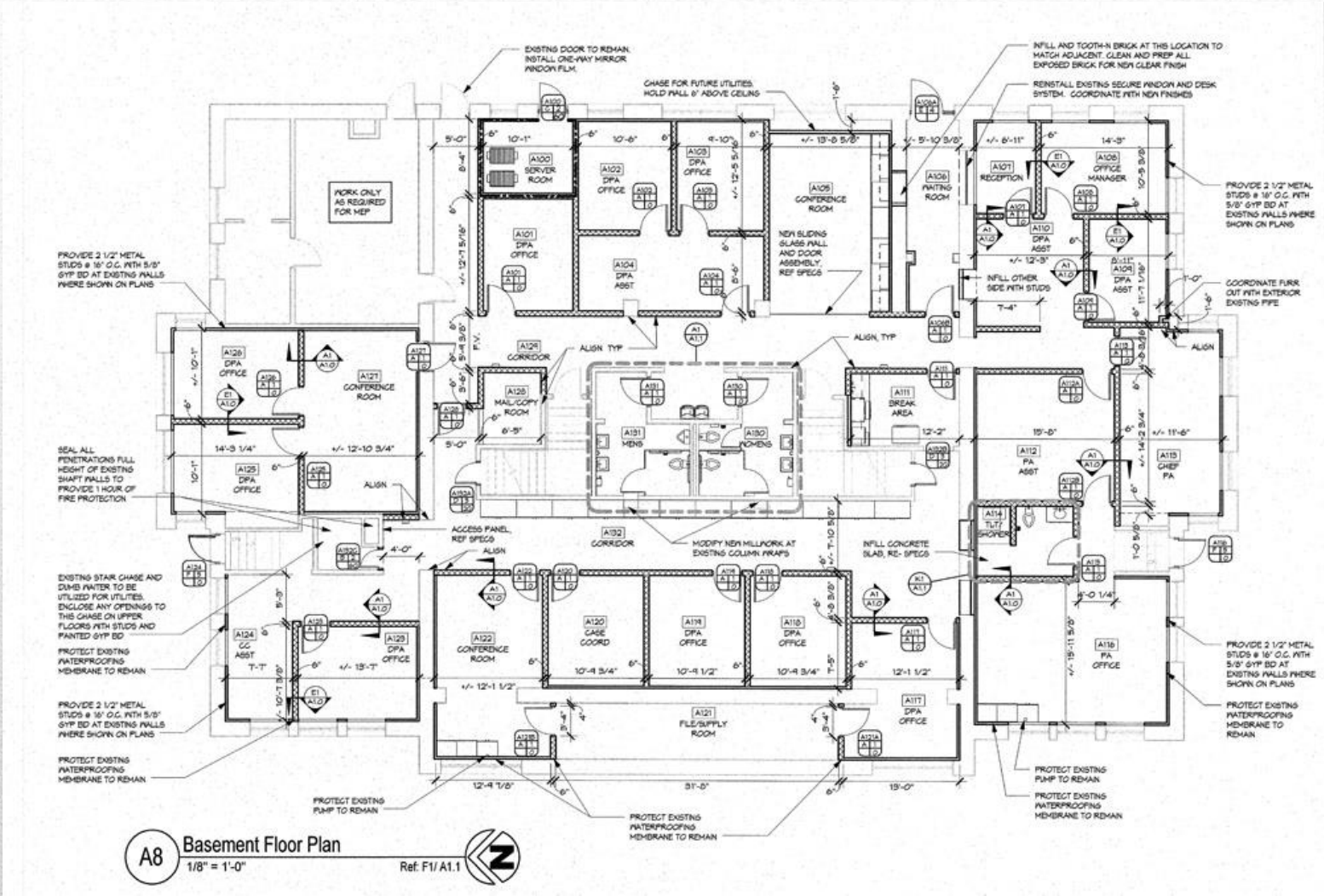
- New Equipment will be Capable of Expansion



- Repair the Existing Boiler Equipment
  - Equipment will be Repaired and System will be flushed for proper functioning and maintenance.
- Upgrade Electrical System
  - Existing Electrical Panels require some Maintenance and are almost at maximum capacity.
  - New electrical wiring is being provided to the first floor renovated areas.
  - New electrical panel is being installed.



100% of the respondents were female, and 90% were aged 18 years or older. The majority of the respondents were students (60%), followed by employees (20%), and the remaining 20% were categorized as "other." The majority of the respondents were from the United States (60%), followed by Canada (20%), and the remaining 20% were from other countries.





- Remodel of First Floor Office Area – Restore Plaster Ceilings at perimeter offices.





- Remodel of First Floor Office Area – Restore Plaster Ceilings at perimeter offices.





## New cable tray and ductwork





